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PATENT  
Customer No. 22,852  
Attorney Docket No. 09641.0010-00000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Austin SMITH et al. ) Group Art Unit: 1632  
Serial No.: 09/786,817 ) Examiner: Michael Wilson  
Filed: March 9, 2001 ) Confirmation No.: 6701  
For: PROPAGATION AND/OR )  
DERIVATION OF EMBRYONIC ) CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8  
STEM CELLS )

I hereby certify that this correspondence is being  
deposited with the United States Postal Services under  
37 C.F.R. § 1.8 on October 18, 2004 and is addressed  
to the Commissioner for Patents,  
P.O. Box 1450, Alexandria, VA 22313-1450

  
Rachel Venturi

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**REPLY TO FINAL OFFICE ACTION**

In reply to the Office Action mailed May 18, 2004, the period for response having  
been extended to October 18, 2004 by a request for extension of 2 months and fee  
payment filed concurrently herewith, please amend the above-identified application as  
follows:

**Amendments to the Drawings** are included in attached Figures 1-8 (sheets 1-9). The amendments are discussed in this paper.

**Remarks/Arguments** follow the amendment sections of this paper.

**Attachments** to this amendment include:

Formal Drawings (9 sheets)

Charriere et al., Abstract from NCBI, sample GSM26334

Abstract from Physiology Image Gallery

Niwa et al., Genes and Development, 12(13): 2048-2060 (1998) .

WO 94/24301